



# IFM12-1000E2

O'cell E2 series of LiFePO4 batteries are designed for the replacement of the Lead-Acid batteries mainly used for power backup applications, can directly replace the Lead-Acid batteries by using the same standard shells. This series of LiFePO4 batteries Integrated with BMS, have fully protection features, such as over charging protection, over discharging protection, over current protection and short-circuit protection etc. O'cell E2 series of LiFePO4 batteries with wide capacity range from 12V 4.5Ah to 12V 300Ah call fulfil almost all types of applications to replace existing Lead-Acid batteries.

### • Applications

- Golf cart
- Low speed sightseeing vehicle
- Recreational vehicle
- Solar energy storage system
- UPS power backup
- Medical machines
- Solar street lights

### • Features

- Higher energy density
- Integrated with BMS, self-protection functions
- low self-discharging
- Free maintenance, long life cycle

### Specifications

Model No.	IFM12-1000E2
Pack	IFR26650-4S30P
Nominal Capacity	100Ah
Minimum Capacity	95Ah
Nominal Voltage	12.8V
Energy	1280Wh
Max. Charging Voltage	14.6V
Discharge Termination	10.0V
Charging Method	CC/CV
Standard charging	20A
Max. Charging Current	100A
Standard Discharge	20A
Max. Continuous discharge current	100A
Cycle Life	2000@0.2C/80% DOD
Internal Resistance	≤15mΩ
Dimensions	329*172*213mm
Weight (Approx)	13.5kg
Operating Temperature Range	Charging: 0°C~45°C Discharge: -20°C~60°C
Storage Temperature Range	-10°C~35°C



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### PERFORMANCE CHARACTERISTICS

